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(54) Title: BALLOON EXPANDABLE STENT

(57) Abstract: The present invention relates to a balloon expandable stent mounted on a balloon catheter, the entire assembly being overcoated with a coherent polymer coating, which is preferably substantially continuous over the circumference and, more preferably, axial length of the stent on the balloon. The polymer coating improves retention of the stent on the balloon during delivery and does not adversely effect the deployment characteristics, nor the balloon failure characteristics. The product is made by mounting the stent on the balloon and coating the assembly with a liquid coating composition containing a suitable polymer followed by curing of the coating. The polymer is biocompatible and preferably crosslinkable in the coating composition, and crosslinked in the final product. A suitable polymer is formed from monomers including a zwitterionic, preferably a phosphoryl choline, group, and monomers including a trialkoxysilyl group. Preferably the coated product is contacted with ethylene oxide to provide simultaneous sterilization and additional curing.

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